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NOTICE OF ALLOWANCE AND FEE(S) DUE

32074

7590

HOPEWELL JUNCTION, NY 12533

11/06/2008

INTERNATIONAL BUSINESS MACHINES CORPORATION DEPT. 18G BLDG. 300-482 2070 ROUTE 52 EXAMINER

GHYKA, ALEXANDER G

ART UNIT PAPER NUMBER

2812

DATE MAILED: 11/06/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,432	07/25/2006	Thomas W. Dyer	FIS920030129US1	1869

TITLE OF INVENTION: FOLDED NODE TRENCH CAPACITOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
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appropriate. All further	correspondence includired below or directed oth	ig the	Patent, advance of	rders and notification	ıofn	naintenance fees w	ill be	mailed to the current	hould be completed where correspondence address as arate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 32074 7590 11/06/2008 INTERNATIONAL BUSINESS MACHINES CORPORATION DEPT. 18G BLDG. 300-482				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.					
2070 ROUTE 52 HOPEWELL JU	? NCTION, NY 1253	33							(Depositor's name)
1101211200	1,611,611,111 120.								(Signature)
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APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	NTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
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EXAM	INER		ART UNIT	CLASS-SUBCLASS	s	,			
GHYKA, ALE	EXANDER G		2812	438-244000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME AI PLEASE NOTE: Unl	ess an assignee is ident n in 37 CFR 3.11. Comp	" Indicated. Us	ation form e of a Customer BE PRINTED ON Telow, no assignee	or agents OR, alte (2) the name of a registered attorney 2 registered paten listed, no name with the PATENT (print data will appear on the content of the patents of the content of the patents of the p	singley or a strong or attorical be or type the page an area.	e firm (having as a gent) and the name rneys or agents. If i printed. be) atent. If an assigned assignment.	memb es of up no nam	er a 2p to lee is 3lentified below, the de	ocument has been filed for
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	s SMALL ENTITY statu	ıs. See	37 CFR 1.27.					ΓΙΤΥ status. See 37 CI	,
interest as shown by the r	ecords of the United Sta	uired) v tes Pat	will not be accepte ent and Trademark	d from anyone other to Office.	han t	ne applicant; a regis	stered a	attorney or agent; or th	ne assignee or other party in
Authorized Signature					Date				
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This collection of inform an application. Confident submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	irginia 22313-1450. DC	FR 1.3 U.S.C USPT den, sl NOT	311. The information 122 and 37 CFR O. Time will vary hould be sent to the SEND FEES OR	on is required to obtain 1.14. This collection depending upon the e Chief Information C COMPLETED FORM	n or r is est indiv Office MS TO	etain a benefit by th imated to take 12 n idual case. Any co r, U.S. Patent and D'THIS ADDRESS	ne publ ninutes mment Traden . SENI	ic which is to file (and to complete, includin s on the amount of tin nark Office, U.S. Depo D TO: Commissioner	I by the USPTO to process) g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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DEPT. 18G			ART UNIT	PAPER NUMBER	
BLDG. 300-482 2070 ROUTE 52			2812 DATE MAILED: 11/06/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 370 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 370 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	, the financial in the				
Notice of Allowability	10/597,432	DYER ET AL.			
Notice of Allowability	Examiner	Art Unit			
	ALEXANDER G. GHYKA	2812			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED in this or other appropriate communical IGHTS. This application is subjection	application. If not included ation will be mailed in due cours	se. THIS		
1. This communication is responsive to <u>IDS of 7/25/2006</u> .					
2. The allowed claim(s) is/are <u>1-14</u> .					
 3. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Note that the priority documents have 3. N	e been received. e been received in Application No	D	rom the		
International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the require	ments		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review(P	TO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	,				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in t	ne Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			k) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5.	al Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summ	• •			
	Paper No./Mail	Date			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>7/25/06</u> 	7. 🛛 Examiner's Ame	enament			
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		8. Examiner's Statement of Reasons for Allowance			
	9. Other				
/Alexander G. Ghyka/ Primary Examiner, Art Unit 2812					

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Cancel Claims 15-20.

This application is in condition for allowance except for the presence of claims 16-20 directed to an invention non-elected without traverse. Accordingly, claims 15-20 been cancelled.

Allowable Subject Matter

Claims 1-14 are allowed.

The following is an examiner's statement of reasons for allowance: The closest prior art known to the Examiner is listed on the enclosed PTO 892 and IDS forms. None of the references anticipate or make obvious, *inter alia*, forming a third dielectric layer on exposed interior surfaces of said second capacitor plate; removing said insulator covering upper edge of said first storage layer, thereby exposing said upper edge of said first storage plate; and depositing a second conductive storage plate abutting said third dielectric layer, thereby establishing electrical contact between said first and second conductive storage plates, which are separated from said first and second

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capacitor plates by said first, second and third dielectric layers as required by the present Claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ALEXANDER G. GHYKA whose telephone number is (571)272-1669. The examiner can normally be reached on Monday through Friday 9 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Garber can be reached on (571) 272-2194. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AGG October 27, 2008

/Alexander G. Ghyka/ Primary Examiner, Art Unit 2812